Richard L. Maxwell

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Education: **Bachelor of Science, Mechanical Engineering, Texas A & M University, 1960**

Summary of qualifications: Responsible for the research and development which resulted in a significant reduction in the amount of process equipment required to produce both rubber and industrial grades of carbon black. Developed operation procedures for the manufacture of industrial grades. Traveled to Algeria, Pakistan, China, India and Thailand to inspect, commission or negotiate potential licenses.

Experience:

Jun 1960 to Nov 1962 — **Cabot Corp., Pampa, Texas**
Design Engineer
Design and development of hydraulic cranes and backhoes

Nov 1962 to Jan 1995 — **J. M. Huber Corp., Borger, Texas**

Nov 1963 to Jun 1966 — **Design Engineer**
Developed automatic controls for pin mixers and dryers

Jun 1966 to Nov 1968 — **Baytown Plant Maintenance and Construction Engineer**
Supervised the installation of new equipment, modified the design of existing equipment to improve efficiency and capacity

Nov 1968 to Jan 1970 — **Borger Research Engineer**
Developed the techniques and design to successfully operate the hard black reactors with preheated air resulting in 25% increase in reactor capacity and yields

Jan 1970 to March 1975 — **Supervisor Pilot Plant**
Supervised the operation of carbon black pilot plant, 6 operators and 6 engineers
Produced new carbon blacks to keep Huber competitive in quality and economics

Mar 1975 to
Nov 1980 **Pilot Plant Manager**
Developed high capacity pelletizer
Trained new engineers for process work
Provided technical support for foreign plant projects

Nov 1980 to
Aug 1982 **Manager of Pilot Plants**
Managed the initial research and development for a 5000° F. electric reactor process
Supervised the commissioning of the National Petrocarbon Plant in Karachi Pakistan
Modified the hard black reactor to use Chinese heavy oil for both fuel and production
Developed the high capacity hard black reactor
Identified process variables which improved yields and production rates

Sep 1982 to
Apr 1988 **Manager Process and Product Development**
Concentrated on transferring knowledge gained in the development of the new hard black and soft black reactors to production
Directed all experimental runs
Produced oil dispersible pelleted blacks for the ink industry
Produced ultra clean blacks for the plastics industry

Apr 1988 to
May 1989 **Temporary assignment as Baytown Plant Manager**
Managed 110 employees
Managed the production of 165 MM lb. per year capacity

May 1989 to
Jan 1995 **Manager of Process and Product Development**
Interfaced between three plants, business development, tech service and marketing
Responsible for the production of all experimental carbon blacks
Developed procedures which permitted all industrial carbon blacks to be produced on the standard hard and soft black reactors
Screened all new fee stocks for carbon black production
Reduced off spec by identifying and correcting process problems
Inspected carbon plants in India and Thailand for possible licensing